

**Amendment to the Claims:**

This listing of claims will replace all prior versions, and listings, of the claims in the application:

**Listing of Claims**

What is claimed is:

1. (currently amended) An apparatus that amplifies vibrations by increasing the extension and contraction along the length of the apparatus that are produced by an actuator, comprising;
  - a. a horn that forms two or more parallel acoustic paths and possesses two surfaces perpendicular to the extension, one connected directly to ~~an~~ the actuator for mechanical input power from the actuator and the other ~~free~~ connected to a solid or liquid for mechanical power output,
  - b. a The horn with at least one change in direction, which is called a fold, that amplifies the vibration strain from ~~an~~ the actuator.
2. (currently amended) The horn of claim 1, ~~where the folded horn~~ is configured axis-symmetric or planar with respect to axis of extension.
3. The horn of claim 1, further comprising of a stack of piezoelectric or electrostrictive elements that are configured concentric and external to the horn.
4. (currently amended) The horn of claim 1, comprised of an ~~electroactive piezoelectric or electrostrictive~~ stack that is encircled by the horn as a compact modality of the actuator.
5. The horn of claim 1, comprised of a hollow core as a passage for transfer of materials from one side to the other.
6. (currently amended) The folded horn of claim 2, further comprising an adjustable fold thickness design for adjusting the bending contribution to the overall ~~extension displacement of the horn tip~~.
7. (currently amended) The folded-horn of claim 2, further comprising of a reflector connected to the base of the folds for enhanced vibration amplification and control of the phase of the strain extension and contraction.